Met Office Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 00:00 on Saturday 14 Jan 2023 until 23:59 on Sunday 15 Jan 2023

Forecast Issued on Friday 13 Jan 2023 at 15:44

Confidence: High confidence for turning colder with the risk of some snow at lower levels and northwesterly winds later in the weekend.

Headline for Saturday 14 Jan 2023: Heavy rain at first, turning colder with rain turning to snow, dry for a time then showery later with strengthening winds.

Mountain weather hazards on Saturday 14 Jan 2023

Blizzards Low Likelihood	**Heavy persistent snow** Low Likelihood	**Storm force winds** No Likelihood
Gales High Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Medium Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m

Time	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
	Heavy Rain	Heavy Rain	Heavy Rain	Heavy Rain	Sleet showers	Light snow showers	Heavy snow	Heavy snow
Precipitation probability	90%	90%	90%	90%	60%	60%	70%	70%

Forecast for Saturday 14 Jan 2023

Weather: Cloudy with outbreaks of rain, heavy at times overnight, perhaps sleet on the tops by mid morning. The rain continuing but freezing level falling through the morning with rain turning to sleet at higher levels by mid morning. Rain tending to clear through by late morning with some cloud breaks developing and perhaps some brighter or sunny spells. Through the afternoon showers will develop and these will turn wintry above 500m, showers may cluster together to give longer spells of snow on the tops and combined with westerly gales some blizzard like conditions can be expected by late afternoon with a severe wind chill expected on the hills.

Chance of cloud-free hill tops above 600m: 20%, improving to 60% for a time when the rain clears but dipping back to 40% in wintry showers later.

Low Cloud and visibility: Extensive low cloud expected from daybreak with overcast layers above 300m, perhaps cloud bases slightly higher around eastern areas. Visibility expected to be poor in heavy rain and sleet in the morning. Cloud lifting and becoming more scattered by late morning with a good chance of some views for a time in the middle of the day, visibility will become good too. As afternoon showers develop cloud will thicken and lower over the summits in showers and the potential for blizzard of white out conditions on the higher tops like Whernside and Ingleborough during the afternoon with strong winds.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
© Crown Copyright 2023. All Rights Reserved.

Mountain Weather Forecast

Forecast for Saturday 14 Jan 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	19/26 S	20/29 S	19/26 S	16/24 SW	22/32 W	26/40 W	30/46 W	34/50 W	33/49 W
300	9/21 S	11/25 S	11/24 S	11/23 SW	15/30 W	18/38 W	20/41 W	23/47 W	23/47 W
Valley	8/20 SE	11/26 S	9/20 S	10/21 W	13/28 W	16/34 W	19/40 W	22/46 W	22/45 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	1/-5	3/-2	4/-1	4/-1	1/-5	0/-7	0/-8	0/-8	-0/-8
300	3/-0	5/1	6/3	6/2	4/-1	3/-3	2/-4	3/-4	2/-4
Valley	4/2	7/4	7/5	7/4	5/2	4/-0	4/-1	4/-1	4/-2
Freezing Level*	900m	1400m	1400m	1300m	700m	600m	600m	600m	600m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Winds becoming very strong during the afternoon with freezing level lowering to 5-600m and snow and sleet showers expected, blizzard conditions are possible and it would be easy to be fooled by early rain and milder conditions. Gales on the higher tops by evening.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Fri 13 Jan 2023	12mm	32.6mm	49mm

Forecast for Sunday 15 Jan 2023

Weather: Wintry showers are expected overnight with a period of heavy precipitation likely. Becoming brighter on Sunday morning with winds easing for a time and some bright or sunny periods likely through the afternoon. Further wintry showers are possible later in the day.

Maximum wind: Northwesterly 15-20mph with gusts 25-30mph backing southwesterly 15mph later.

Chance of cloud-free hill tops above 600m: 20%, associated with overnight sleet and snow, improving to 70%, cloud still dipping over the summits in afternoon showers.

Low Cloud and visibility: Broken cloud layers above 400m and poor visibility in the morning with some blizzard conditions during the morning. Cloud lifting above summits in the afternoon with visibility mostly good for a time, although lowering again in any showers.

Temperature: **Valleys:** Plus 5 falling to 3 Celsius later.
At 600m: Minus 2 Celsius.
Freezing level: 500m

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
© Crown Copyright 2023. All Rights Reserved.